

**Application Data Sheet Information**

Application Type: Utility  
 Subject Matter: Programmable Circuit  
 Title: Electronically Programmable Multimode Circuit  
 Attorney Docket Number: P1551  
 Request for Early Publication: No  
 Request for Non-Publication: No  
 Suggested Drawing Figure: 2  
 Total Drawing Sheets: 10  
 Small Entity: No

**Inventor Information**

Inventor Authority type: First Inventor  
 Primary Citizenship Country: USA  
 Status: Full Capacity  
 Given Name: Jeffrey  
 Middle Name/Initial: Ming-Jer  
 Family Name: Yang  
 City of Residence: Cerritos  
 Country of Residence: USA  
 Street address: 11445 Stapleton Court  
 City: Cerritos  
 State or Province: California  
 Postal or Zip Code: 90703

Inventor Authority type: Second Inventor  
 Primary Citizenship Country: USA  
 Status: Full Capacity  
 Given Name: Matt  
 Middle Name/Initial: Nishimoto  
 Family Name: Torrance  
 City of Residence: USA  
 Country of Residence: 2261 233<sup>rd</sup> Street  
 Street address: Torrance  
 City: California  
 State or Province: 90501  
 Postal or Zip Code:

Inventor Authority type: Third Inventor  
 Primary Citizenship Country: USA  
 Status: Full Capacity  
 Given Name: Xing  
 Middle Name/Initial:  
 Family Name: Lan  
 City of Residence: La Palma  
 Country of Residence: USA  
 Street address: 5600 Orangethorpe Avenue #1616  
 City: La Palma  
 State or Province: California  
 Postal or Zip Code: 90623

Inventor Authority type: Fourth Inventor  
 Primary Citizenship Country: USA  
 Status: Full Capacity  
 Given Name: Michael  
 Middle Name/Initial:  
 Family Name: Battung  
 City of Residence: Torrance  
 Country of Residence: USA  
 Street address: 23930 Ocean Avenue #262  
 City: Torrance  
 State or Province: California  
 Postal or Zip Code: 90505

Inventor Authority type: Fifth Inventor  
 Primary Citizenship Country: USA  
 Status: Full Capacity  
 Given Name: Robert  
 Middle Name/Initial:  
 Family Name: Wang  
 City of Residence: Torrance  
 Country of Residence: USA  
 Street address: 18538 Saint Andrews Place  
 City: Torrance  
 State or Province: California  
 Postal or Zip Code: 90504

Inventor Authority type: Sixth Inventor  
 Primary Citizenship Country: USA  
 Status: Full Capacity  
 Given Name: Yun-Ho  
 Middle Name/Initial:  
 Family Name: Chung  
 City of Residence: Redondo Beach  
 Country of Residence: USA  
 Street address: 2704 Ruhland Avenue #2  
 City: Redondo Beach  
 State or Province: California  
 Postal or Zip Code: 90278

### **Correspondence Information**

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### **Representative Information**

Designation:	Registration number:	Name:
Primary	Customer Number: 24,394	LaRiviere, Grubman & Payne, LLP

### **Assignee Information**

Assignee Name: Northrop Grumman Space & Mission Systems Corporation  
 Street Address: One Space Park, Bldg. R11/2796BE,  
 Space Technology, M/S 1492  
 City: Redondo Beach  
 State or Province: California  
 Country: USA  
 Postal or Zip Code: 90278